INDEX OF AUTHORS

ADLER, S. and FELDMAN-MUEHSAM, B. A note on the genus *Hyalomma* Koch in Palestine. (With 8 Figures in the Text), 95

ANDERSON, HAMILTON H. *See* HANSEN, EDER L.

ARTHUR, D. R. On the egg of the tick, *Ixodes ricinus* L. (With 12 Figures in the Text), 53

ARTHUR, D. R. The scutum of the tick, *Ixodes ricinus* L. (With 9 Figures in the Text), 235

BIRKETT, BETTY. *See* BISHOP, ANN

BISHOP, ANN and BIRKETT, BETTY. Drug-resistance in *Plasmodium gallinaceum*, and the persistence of paludrine-resistance after mosquito transmission, 125

BUSVINE, J. R. The 'head' and 'body' races of *Pediculus humanus* L. (With Plate I and 7 Figures in the Text), 1

BUXTON, P. A. Experiments with mice and fleas. I. The baby mouse. (With 2 Figures in the Text), 119

CHANCE, M. R. A. and DIRNHUBER, P. The water-soluble vitamins of parasitic worms, 300

CROFTON, H. D. The ecology of immature phases of Trichostrongyle nematodes. I. The vertical distribution of infective larvae of *Trichostrongylus retortaeformis* in relation to their habitat. (With 5 Figures in the Text), 17

CROFTON, H. D. The ecology of immature phases of Trichostrongyle nematodes. II. The effect of climatic factors on the availability of the infective larvae of *Trichostrongylus retortaeformis* to the host. (With 6 Figures in the Text), 26

CROFTON, H. D. The ecology of immature phases of Trichostrongyle nematodes. III. Larval populations on hill pastures. (With 3 Figures in the Text), 274

DIRNHUBER, P. *See* CHANCE, M. R. A.

DOUGHERTY, ELLSWORTH C. A list of the trichostrongylid lungworms (Phylum Nematoda) and a key to the six genera. (With 2 Figures in the Text), 218

DOUGHERTY, ELLSWORTH C. The phylogeny of the nematode family Metastrongylidae Leiper, [1909]: a correlation of host and symbiote evolution. (With 27 Figures in the Text), 222

FASTIER, L. B. The effect of physical agents on hydatid scolex viability. (With 6 Figures in the Text), 157

FELDMAN-MUEHSAM, B. On larvae and nymphs of some species of Palestinian *Hyalomma*. (With 12 Figures in the Text), 138

FELDMAN-MUEHSAM, B. *See* ADLER, S.

GANAPATI, P. N. and TATE, P. On the gregarine *Lankesteria culicis* (Ross), 1898, from the mosquito *Aëdes* (*Finlaya*) *geniculatus* (Olivier). (With 5 Figures in the Text), 291

GERICHTER, CH. B. Studies on the nematodes parasitic in the lungs of Felidae in Palestine. (With 27 Figures in the Text), 251

GNANAMUTHU, C. P. A new copepod parasite, *Lernanthropus dussumieria* n.sp., from the gills of a Madras fish. (With 6 Figures in the Text), 209

HANSEN, EDER L. and ANDERSON, HAMILTON H. An essentially synthetic liquid medium for *Entamoeba histolytica*, 69

JOBLING, B. Host-parasite relationship between the American Streblidae and the bats, with a new key to the American genera and a record of the Streblidae from Trinidad, British West Indies (Diptera). (With 3 Figures in the Text), 315

KIRK, R. The differentiation and nomenclature of *Leishmania*, 263

LAWRENCE, R. F. Some new pilicolous mites from South African mammals. (With 8 Figures in the Text), 39

LAZARUS, MARIAN. *See* ROGERS, W. P.

LEWIS, D. J. The distribution of Cimicidae (Hemiptera) in the Anglo-Egyptian Sudan. (With 4 Figures in the Text), 295

MACLEOD, JOHN. The distribution and dynamics of ked populations, *Melophagus ovinus* Linn. (With 4 Figures in the Text), 61

MARKHAM, ROY and SMITH, KENNETH M. Studies on the virus of turnip yellow mosaic. (With Plates IV–VII and 4 Figures in the Text), 330

MATTHEWS, R. E. F. Reactions of *Cyphomandra betacea* to strains of potato virus *X*, 241

MEYER, H. and XAVIER DE OLIVEIRA, M. Cultivation of *Trypanosoma cruzi* in tissue cultures: a four-year study. (With Plates II and III), 91

MILNE, A. The ecology of the sheep tick, *Ixodes ricinus* L. Host relationships of the tick. Part 1. Review of previous work in Britain, 167

MILNE, A. The ecology of the sheep tick, *Ixodes ricinus* L. Host relationships of the tick. Part 2. Observations on hill and moorland grazings in northern England, 173

ROGERS, W. P. The respiratory metabolism of parasitic nematodes. (With 2 Figures in the Text), 105

ROGERS, W. P. and LAZARUS, MARIAN. The uptake of radioactive phosphorus from host tissues and fluids by nematode parasites. (With 5 Figures in the Text), 245

ROGERS, W. P. and LAZARUS, MARIAN. Glycolysis and related phosphorus metabolism in parasitic nematodes. (With 6 Figures in the Text), 302

SATCHELL, G. H. The respiratory horns of *Psychoda* pupae (Diptera: Psychodidae). (With 27 Figures in the Text), 43

SHARIF, M. The water relations of the larva of *Xenopsylla cheopis* (Siphonaptera), 148

SMITH, KENNETH M. *See* MARKHAM, ROY

SPROSTON, NORA G. On the genus *Dinobothrium* van Beneden (Cestoda), with a description of two new species from sharks, and a note on *Monorygma* sp. from the electric ray. (With 25 Figures in the Text), 73

TATE, P. The technique for breeding pure-line cultures of the blow-fly (*Calliphora erythrocephala*). (With 3 Figures in the Text), 102

TATE, P. *See* GANAPATI, P. N.

TRIM, A. R. The kinetics of the penetration of some representative anthelmintics and related compounds into *Ascaris lumbricoides* var. *suis*. (With 9 Figures in the Text), 281

TRIPATHI, YOGENDRA R. Some new Myxosporidia from Plymouth with a proposed new classification of the Order. (With 6 Figures in the Text), 110

VAN CLEAVE, HARLEY J. *Pseudoporrorchis teliger*, a new species of Acanthocephala from Java. (With 5 Figures in the Text), 214

WEISER, JAROSLAV. Studies on some parasites of fishes. (With 2 Figures in the Text), 164

WILSON, S. G. *Trypanosoma uniforme–Trypanosoma vivax* infections in bovines and *Trypanosoma uniforme* infections in goats and sheep at Entebbe, Uganda. (With 22 Figures in the Text), 198

XAVIER DE OLIVEIRA, M. *See* MEYER, H.

INDEX OF SUBJECTS

Acanthocephala, from Java, *Pseudoporrorchis teliger*, a new species of, 214

Aëdes (*Finlaya*) *geniculatus* (Olivier), on the gregarine *Lankesteria culicis* (Ross), 1898, from the mosquito, 291

Ascaris lumbricoides var. *suis*, the kinetics of the penetration of some representative anthelmintics and related compounds into, 281

Calliphora erythrocephala, the blow-fly, the technique for breeding pure-line cultures of, 102

Cimicidae (Hemiptera), the distribution of, in the Anglo-Egyptian Sudan, 295

Cyphomandra betacea, reactions of, to strains of potato virus *X*, 241

Dinobothrium van Beneden (Cestoda), on the genus, with a description of two new species from sharks, and a note on *Monorygma* sp. from the electric ray, 73

Ecology of immature phases of Trichostrongyle nematodes, the,
I. The vertical distribution of infective larvae of *Trichostrongylus retortaeformis* in relation to their habitat, 17
II. The effect of climatic factors on the availability of the infective larvae of *Trichostrongylus retortaeformis* to the host, 26
III. Larval populations on hill pastures, 274

Entamoeba histolytica, an essentially synthetic liquid medium for, 69

Felidae in Palestine, studies on the nematodes parasitic in the lungs of, 251

Fleas and mice, experiments with, I, the baby mouse, 119

Glycolysis and related phosphorus metabolism in parasitic nematodes, 302

'Head' and 'body' races of *Pediculus humanus* L., the, 1

Host-parasite relationship between the American Streblidae and the bats, with a new key to the American genera and a record of the Streblidae from Trinidad, British West Indies (Diptera), 315

Hyalomma, on larvae and nymphs of some species of Palestinian, 138

Hyalomma Koch, in Palestine, a note on the genus, 95

Hydatid scolex viability, the effect of physical agents on, 157

Ixodes ricinus L., on the egg of the tick, 53

Ixodes ricinus L., the ecology of the sheep tick, host relationships of the tick
Part 1. Review of previous work in Britain, 167
Part 2. Observations on hill and moorland grazings in northern England, 173

Ixodes ricinus L., the scutum of the tick, 235

Lankesteria culicis (Ross), 1898, on the gregarine, from the mosquito *Aëdes* (*Finlaya*) *geniculatus* (Olivier), 291

Leishmania, the differentiation and nomenclature of, 263

Lernanthropus dussumieria n.sp., a new copepod parasite from the gills of a Madras fish, 209

Melophagus ovinus Linn., the distribution and dynamics of ked populations, 61

Metastrongylidae Leiper, [1909], the phylogeny of the nematode family: a correlation of host and symbiote evolution, 222

Mice and fleas, experiments with, I, the baby mouse, 119

Mites, some new pilicolous, from South African mammals, 39

Monorygma sp., note on, from the electric ray, 73

Myxosporidia, some new, from Plymouth, with a proposed new classification of the order, 110

Nematodes parasitic in the lungs of Felidae in Palestine, studies on, 251

Nematodes, the respiratory metabolism of parasitic, 105

Parasites of fishes, studies on some, 164

Pediculus humanus L., the 'head' and 'body' races of, 1

Plasmodium gallinaceum, drug resistance in, and the persistence of paludrine-resistance after mosquito transmission, 125

Potato virus *X*, reactions of *Cyphomandra betacea* to strains of, 241

Pseudoporrorchis teliger, a new species of Acanthocephala from Java, 214

Psychoda pupae (Diptera Psychodidae), the respiratory horns of, 43

Radioactive phosphorus, the uptake of, from host tissues and fluids by nematode parasites, 245

Scutum, the, of the tick *Ixodes ricinus* L., 235

Streblidae, American, host-parasite relationship between, and the bats, with a new key to the American genera and a record of the Streblidae from Trinidad, British West Indies (Diptera), 315

Trichostrongyle nematodes, the ecology of immature phases of,
I. The vertical distribution of infective larvae of *Trichostrongylus retortaeformis* in relation to their habitat, 17
II. The effect of climatic factors on the availability of the infective larvae of *Trichostrongylus retortaeformis* to the host, 26
III. Larval populations on hill pastures, 274

Trichostrongylid lungworms (Phylum Nematoda), a list of the, and a key to the six genera, 218

Trypanosoma cruzi, cultivation of, in tissue cultures: a four-year study, 91

Trypanosoma uniforme–Trypanosoma vivax infections in bovines and *Trypanosoma uniforme* infections in goats and sheep at Entebbe, Uganda, 198

Virus of turnip yellow mosaic, studies on the, 330

Vitamins, water-soluble, of parasitic worms, the, 300

Xenopsylla cheopis (Siphonaptera), the water relations of the larva of, 148